In The Claims:

1. (Currently Amended) A Stator ~~component~~ assembly for ~~an~~ use with a multi-phase inner rotor motor, ~~consisting of~~ comprising a ~~ring shaped~~ circular stator yoke having an inner periphery and a number of pole shoes ~~which protrude inwards~~ extending radially inward from the ~~central, inner opening~~ inner periphery of the stator yoke, ~~characterized in that~~ wherein the stator yoke ~~component is subdivided into several~~ includes a plurality of stator sections, with each stator section encompassing all the pole shoes of one phase.

2. (Currently Amended) The Stator ~~component~~ assembly according to claim 1, ~~characterized in that~~ wherein each of the plurality of stator ~~section~~ sections defines ~~encompasses~~ a part of the ~~ring shaped~~ stator yoke.

3. (Currently Amended) The Stator ~~component~~ assembly according to claim 1, ~~characterized in that~~ wherein ~~the stator component is concentric to a motor axis and~~ the pole shoes of each stator section extend along substantially ~~the entire~~ an axial length of the stator yoke ~~component~~.

4. (Cancelled.)

5. (Cancelled.)

6. (Cancelled.)

7. (Cancelled.)

8. (Currently Amended) The Stator ~~component~~ assembly according to claim 1, ~~characterized in that~~ wherein the stator sections are interleaved with each other~~, the pole shoes of the respective stator sections being offset at an angle to each other~~.

9. (Currently Amended) ~~Electrical~~ An electric motor including a stator ~~component~~ assembly for an inner rotor motor ~~consisting of~~ comprising a ring-shaped stator yoke and a number of pole shoes which protrude inwards from the ~~central, inner opening of the~~ stator yoke, ~~characterIzed in that~~ wherein the stator component ~~is subdivided into~~ includes several stator sections, which each stator section encompassing all the pole shoes of one phase.

10. (Cancelled.)

11. (Currently Amended) ~~Method~~ The method according to claim ~~10~~ 20, ~~characterIzed in that~~ wherein the first component and said ~~at least one~~ second component are united by packaging or bonding.

12. (Cancelled.)

13. (Cancelled.)

14. (New) The Stator assembly according to claim 1, wherein the stator assembly is concentric with an axis of the rotor.

15. (New) The Stator assembly according to claim I, wherein an axial length for each stator section is substantially equal to the total axial length of the stator yoke divided by the number of phases of the motor.

16. (New) The Stator assembly according to claim 1, wherein each stator section is adapted to receive the pole shoes corresponding to all phases of the multi-phase motor.

17. (New) The Stator assembly according to claim 1, wherein the pole shoes are adherently bonded to the stator section.

18. (New) The Stator assembly according to claim 1, wherein the each stator section is bonded to at least one other stator section.

19. (New) The Stator assembly according to claim 1, wherein the pole shoes of each stator section are offset at an angle with respect to each other.

20. (New) A method for manufacturing a stator for use in a multi-phase electric motor, comprising:

providing a first component having a circular first yoke and a plurality of first pole shoes extending radially inward from the first yoke, the first pole shoes corresponding to a first phase of the multi-phase electric motor and extending axially beyond the first yoke to a length of N x (N-l) x (L);

providing a second component having a circular second yoke and a plurality of second pole shoes extending radially inward from the second yoke, the second pole shoes corresponding to a second phase of the multi-phase electric motor; and

axially assembling the first and the second components to form a stator assembly;

wherein each of the primary pole shoes is radially offset against both the other primary pole shoes and the secondary pole shoes; and wherein N is the number of phases of the multi-phase motor and L is a total length of the stator once assembled.

21. (New) The method of claim 19, further comprising providing additional component to correspond to each phase of the multi-phase motor.

22. (New) The method of claim 19, further comprising wire-winding each pole shoe prior to the step for axially assembling the first and the second components.